

Elizabeth Rockey Seidle

ear5131@gmail.com | 814.933.7786

EDUCATION

PENN STATE UNIVERSITY

MPS IN DATA ANALYTICS

Dec 2020 | State College, PA

GRADUATE CERTIFICATE IN APPLIED STATISTICS

May 2021 | State College, PA

BS IN PSYCHOLOGY

BS IN LABOR STUDIES

May 2014 | State College, PA

Schreyer Honors College

LINKS

Github:// [ElizabethSeidle/Portfolio](#)

LinkedIn:// [elizabeth-seidle/](#)

COURSEWORK

GRADUATE

Predictive Analytics

App. Data Mining & Statistical Learning

Data Mining

Data Collection and Cleaning

Analytics Programming in Python

Regression Methods

ANOVA Methods

Applied Statistics

Java Programming

Database Design Concepts

Large-scale Database and Warehouse

Data-Driven Decision Making

SKILLS

TOOLS

Proficient:

Python • R • SQL • SPSS • DAX •

Jupyter • Collab • PowerBI

Familiar:

NoSQL • VBA • SAS • HTML • Java •

MongoDB • Hadoop • Docker • Latex

TECHNICAL SKILLS

- Data Cleaning and Processing
- Data Visualization
- Exploratory Data Analysis
- Natural Language Processing
- Unsupervised/Clustering methods
- Regression methods
- Classification methods
- Dimensionality Reduction

EXPERIENCE

DATA ANALYTICS CONSULTANT | OUTREACH ANALYTICS AND REPORTING

2019 - Present | State College, PA

- Use data analytics and statistical methods to evaluate student success, retention initiatives, and KPIs
- Build PowerBI dashboards

TRAINING GRANT COORDINATOR | STRATEGIC INTERDISCIPLINARY RESEARCH OFFICE

2016 - 2019 | State College, PA

- Data collection and reporting for training grant applications using institutional and national data
- Summarize and visualize data within the narrative of the proposal
- Support faculty with data and project management for large and/or strategic proposal development

SENIOR RESEARCH ASSISTANT AND STUDY COORDINATOR | RELATIONSHIP AND STRESS LAB

2012 - 2016 | State College, PA

- Study design, project management, data collection, data cleaning, and data analysis on various projects

RESEARCH ASSISTANT | CENTER FOR INTERNATIONAL HUMAN RESOURCES STUDIES

2014 - 2015 | State College, PA

- Data collection, data cleaning, and data analysis on CRANET study
- Presented CRANET data findings at the center's Inaugural Speakers Series seminar
- Designed and implemented survey and collected, cleaned, and analyzed data for Union-worker project

RESEARCH ASSISTANT | COGNITIVE NEUROPSYCHOLOGY LAB

2014 - 2015 | State College, PA

- Data collection, entry and data reliability checking for a post-concussion symptom study

CONFERENCE PRESENTATIONS

2020 | National Symposium on Student Retention Annual Conference
Leveraging Data Visualizations to Expand Awareness Around Student Success
(Poster)

2018 | National Organization of Research Development Professionals 10th Annual Conference
Understanding the Name of the Game: Inside a National Science Foundation (NSF) Panel Review (Pre-Conference Workshop)

2017 | National Symposium on Student Retention Annual Conference
Separating the Wheat: Inside a National Science Foundation (NSF) Review Panel
(Conference Session)

2015 | Association for Behavioral and Cognitive Therapies
Men with a History of Childhood Maltreatment Who Perceive Their Wives as Threatening Perpetrate More Intimate Partner Violence (Poster)